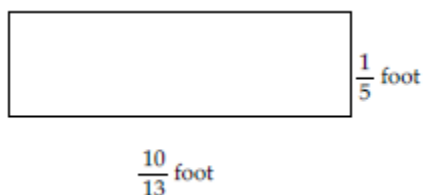


**PRACTICE TEST 2 - CHAPTER GEOMETRY & 3**

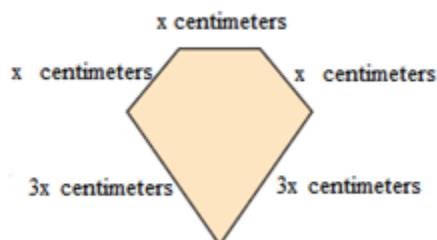
Beginning and Intermediate Algebra by Elayn Martin-Gay, 6th edition

**\*\*Reminder: Graphing Calculators will NOT be allowed on MATH 0361 tests\*\***

1. Find the area of the figure below.  
(The area of a rectangle is the product of its length and width.)



2. The perimeter of a geometric figure is the sum of the lengths of its sides. The perimeter of the pentagon (five-sided figure) below is 27 centimeters. Find the length of each side.

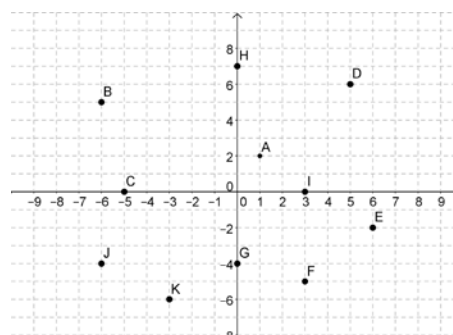


**Substitute the given values into the formula and solve for the unknown variable.**

3.  $A = \frac{1}{2}(B + b)h$ ;  $A = 75$ ,  $b = 12$ ,  $B = 13$
4.  $P = a + b + c$ ;  $P = 34$ ,  $a = 6$ ,  $b = 12$
5.  $C = 2\pi r$ ;  $C = 65.9$   
(Use the approximation 3.14 for  $\pi$ )

**Use the graph shown to find the x- and y-coordinates of the points.**

6. point A and point C



7. Determine whether each ordered pair is a solution of the given linear equation.

$$2x + 3y = 9$$

- a)  $(6, -1)$   
b)  $(7, 0)$

**Complete the table of ordered pairs for the given linear equation.**

8.  $y = -x + 6$

x	y
0	
	0
-1	

**Complete the table of ordered pairs for the given linear equation.**

9.  $x + 3y = 9$

x	y
0	
	0
	4

**Complete the table of ordered pairs for the given linear equation and graph.**

10.  $x = -2y$

x	y
	1
	0
4	

11.  $y = -3x + 4$

x	y
0	
1	
2	

**Graph the linear equation:**

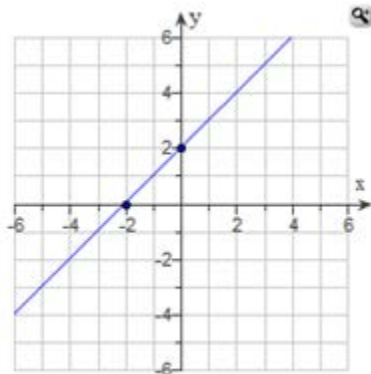
12.  $y = 3x + 6$

13.  $x - y = 2$

14.  $y = -4$

15.  $y = -\frac{3}{2}x + 3$

16. Identify the intercepts:



17. Graph the linear equation by finding and plotting its intercepts:  $x - y = -7$

18. Graph the linear equation:  $x = -5$

19. Graph the linear equation:  
 $x + 4y = -8$

20. Simplify:  $\frac{-2-1}{2-8}$

# **MATH0361 Practice Test 2 Answers:**

1)  $\frac{2}{13}$  sq ft

2) 3 cm and 9 cm

3) 6

4)  $c = 16$

5) 10.5

6.)  $A = (1,2)$   $C = (-5,0)$

7) a) Yes

b) No

8)

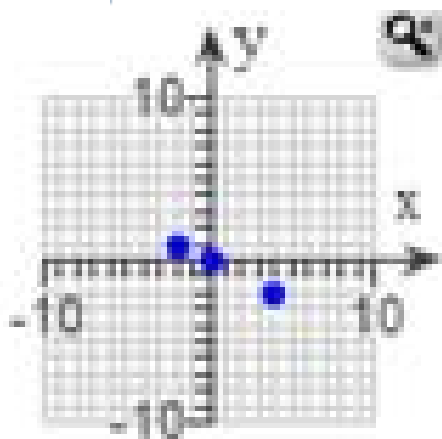
x	y
0	6
6	0
-1	7

9)

x	y
0	3
9	0
-3	4

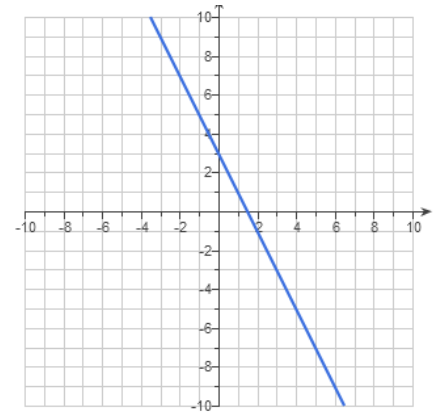
10)

x	y
-2	1
0	0
4	-2

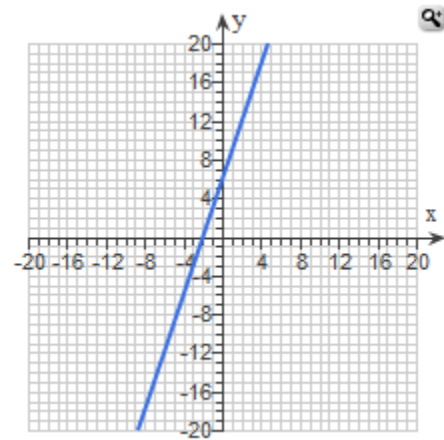


11)

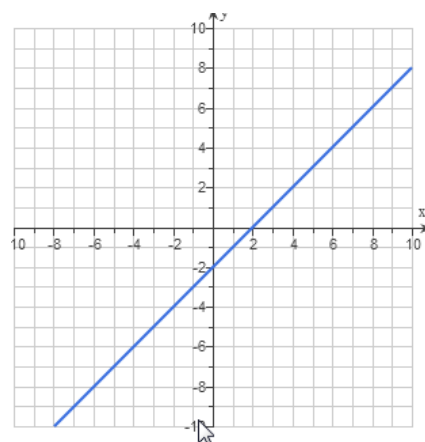
X	y
0	4
1	1
2	-2



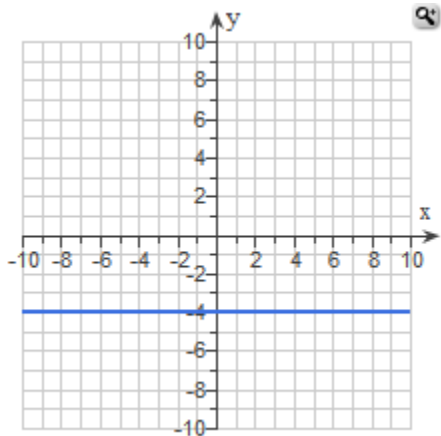
12)



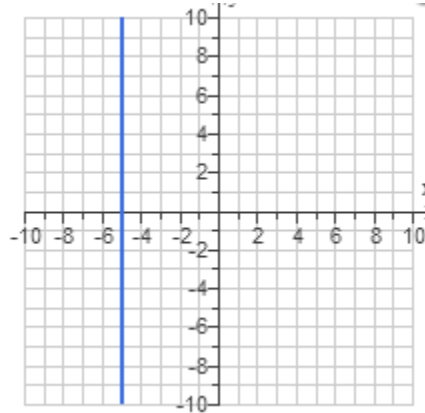
13)



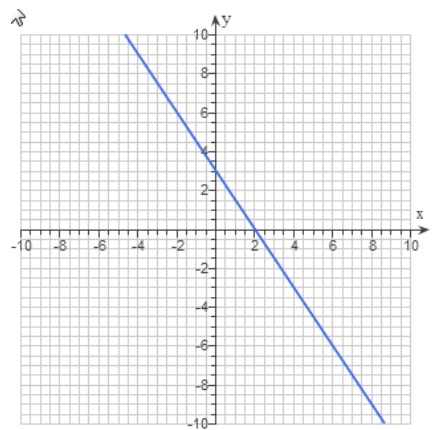
14)



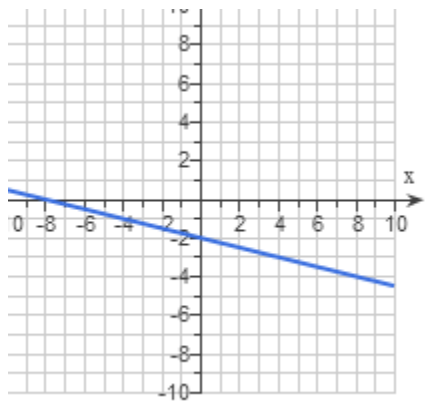
18)



15)



19)



16)  $(-2, 0)$  and  $(0, 2)$

20)  $\frac{1}{2}$

17)

